

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-010839**Date Inspected:** 20-Dec-2009**Project Name:** SAS Superstructure**OSM Arrival Time:** 645**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1845**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** As identified below**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Larry Viars was present during the times noted above for observations relative to the work being performed.

OBG Blast Bay 1-

Caltrans Quality Assurance (QA) Inspectors performed random visual inspection of OBG segment 8AE of side panels, bottom panels, longitudinal diaphragms and lower floor beams internal surfaces after grit blasting. Areas that marked for repair were recorded for future repair. Areas requiring additional grinding were marked by QA and repaired by ZPMC personnel.

Bay 14-

This QA Inspector observed the following work in progress: Flux Cored Arc Welding (FCAW) of OBG Segment 11CE deck panel diaphragm Complete Joint penetration (CJP) welds, SEG070\*-021 and 024. ZPMC welders were identified as 051356 and 055564. ZPMC QC is identified as Tang Ya Jun. ZPMC CWI was identified as Lv Li Qing. The welding appeared to be in conformance with welding procedure specification, WPS-B-T-2233-B-U2-F.

Flux Cored Arc Welding (FCAW) of OBG Segment 11CE deck panel diaphragm to upper floor beam weld, SSD12-PP100-005. ZPMC welders were identified as 052696 and 050977. ZPMC QC is identified as Tang Ya Jun. ZPMC CWI was identified as Lv Li Qing. The welding appeared to be in conformance with welding

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## WELDING INSPECTION REPORT

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procedure specification, WPS-B-T-2132

Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.

### Summary of Conversations:

Only general conversation occurred between QA and QC this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 150 0042 2372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Viars,Larry	Quality Assurance Inspector
<b>Reviewed By:</b>	Dawson,Paul	QA Reviewer

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